

## LCD Backlights

Abstract Doc

3M Library & Information Services  
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**Category:** Light Guide\Wedge, Light Guide\Structure on Top Surface, Light Guide\Structure on Bottom Surface, Light Guide\Structure on Both Surfaces, Enhance. Film\Prism Up, Enhance. Film\Prism Down, Advantage\Brightness, Advantage\Fewer Components, Advantage\Manufacturing, Advantage\Uniformity

**Category Definition:** 

[Link to Atlas Electronic Library Translation Services](#)

### Title:

**Light guide plate in LCD device - has light emission surface with minute protrusion orthogonally provided to incidence as well as reflecting surfaces**

### Patent Assignee:

KONICA CORP

KONS

### Abstract:

Abstract (Basic): JP 10282343A

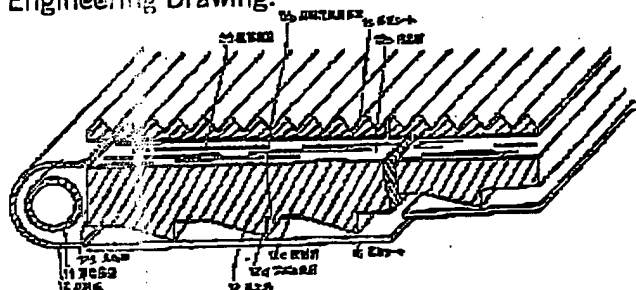
The plate (12) has an incidence surface (12a) on which a light beam from a cathode ray tube (11) is irradiated. A reflecting surface (12c) which has a prism protrusion (12d) radiates the incident light beam from the cathode ray tube. A light emission surface (12b) roughened by the minute protrusions (20) is orthogonally provided to both the surfaces.

**ADVANTAGE** - Reduces non-uniformity in brightness. Increases light utilization efficiency. Ensures weight reduction.

Dwg.1/16

### Clipped Images:

Engineering Drawing:



**Patent Family:** If available, click on [fulltext doclink](#) to view the associated [fulltext/image doc](#).

Fulltext Doclink	Cntry	Serial	Kind	Date	Week	Pages	Lang
	JP	10282343	A	19981023	199902	012	.
	KR	98042692	A	19980817	199938	000	.
	KR	98042693	A	19980817	199938	000	.

### Priorities:

Country	Serial	Date	Type
JP	0024868	19970207	A
JP	0313626	19961125	A
KR	0062337	19971124	A

**Application, Citations, Coding Information, Index Terms:**

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